

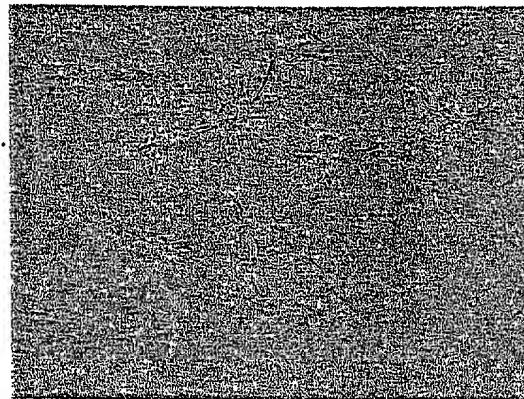
Title: METHODS AND COMPOSITIONS  
FOR ENHANCING THE DELIVERY OF A  
NUCLEIC ACID TO A CELL  
Inventor(s): Robert J. Levy et al.  
DOCKET NO.: 047172/0170

## Comparison results of Denatured Collagen and Native collagen A10 cells transfection efficiency

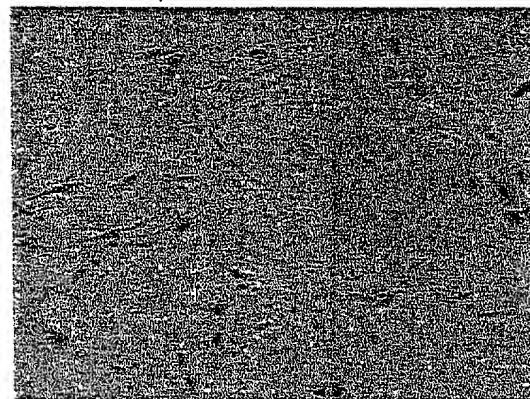
FIGURE 1A

FIGURE 1B

A10 cells have been transfected by plasmid nuclear targetted beta-galactosidase ,  
below the pictures show experiment results after 48 hours transfection.



Native Collagen



Denatured collagen

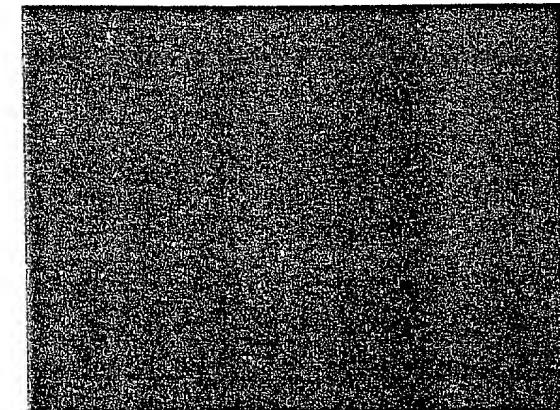
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**Comparison results of Denatured Collagen and Native  
collagen A10 cells transfection efficiency**

**FIGURE 2A**

**FIGURE 2B**

Results show A10 cells transfected by p-EGFP-N3 plasmid DNA , after 24 hours.



**Native collagen + GFP DNA**



**Denatured collagen +GFP DNA**

FIGURE 3

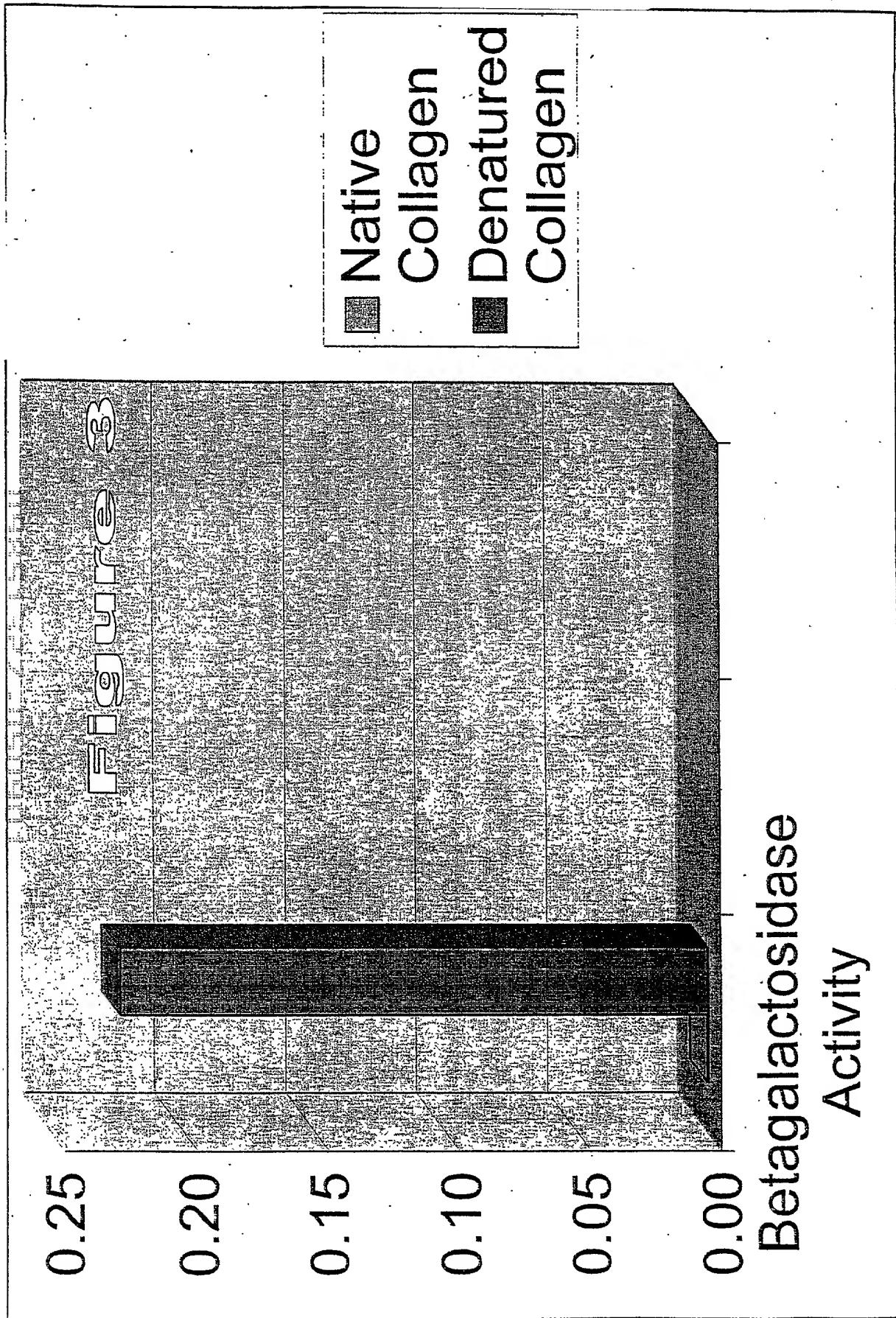


Figure 4: Arterial Smooth Muscle Cells (A10)  
cells, GFP plasmid transfection regulated by TNC

FIGURE 4B



TNC-15.0 $\mu$ g/ml



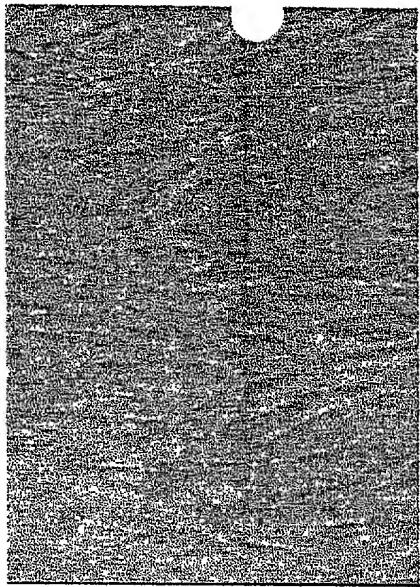
Collagen (No TNC)

FIGURE 4C



TNC-50.0  $\mu$ g/ml

FIGURE 4D



TNC- 15.0 $\mu$ g/ml

FIGURE 5

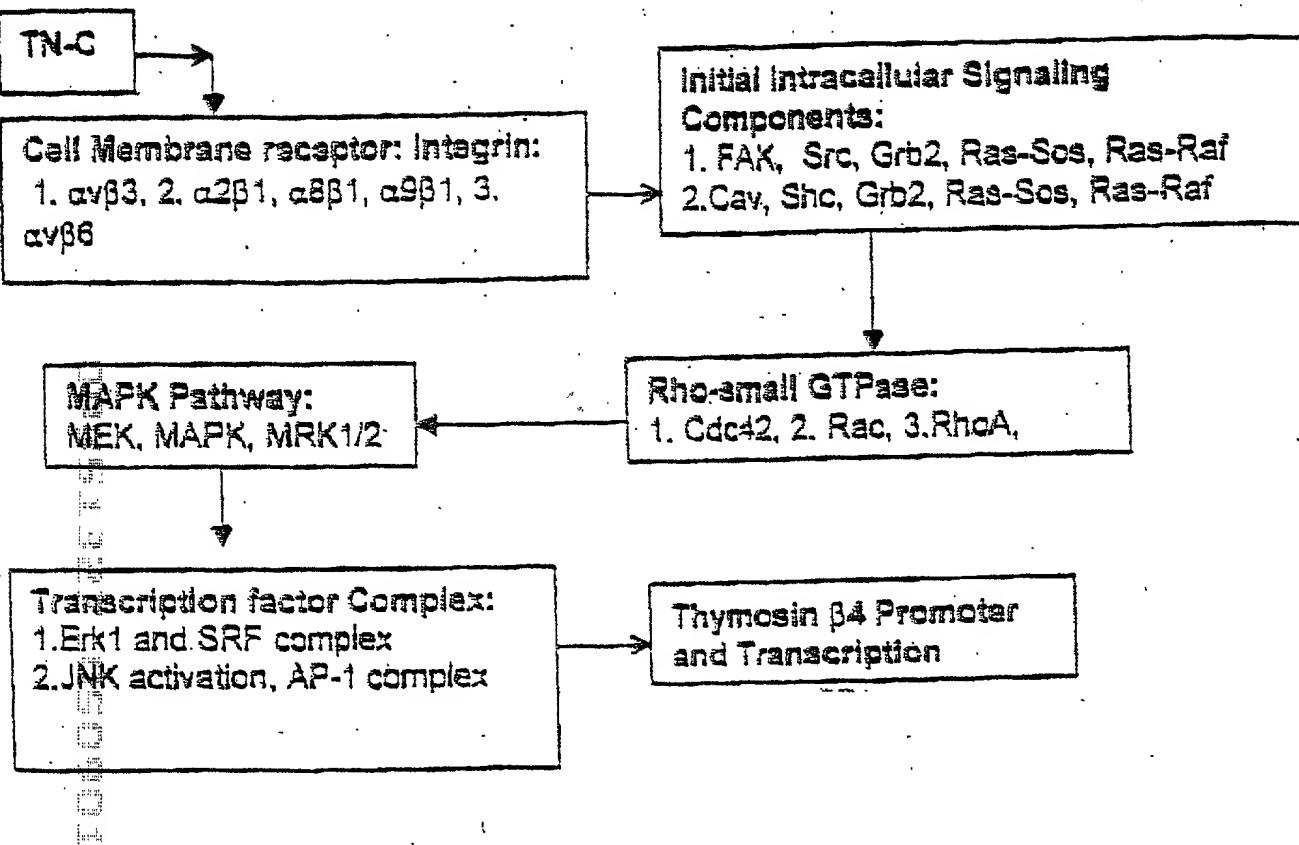


FIGURE 6

Changes in GFP Transfection Efficiency (FITC, 200x)



FIGURE 7

Changes in Cell Morphology (200x)



100 200 300 400 500 600 700 800 900 1000